

THE BAHAMAS

NDPBA ISLAND PROFILE



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ISLAND PROFILE

THE BAHAMAS

CAPITAL: ARTHUR'S TOWN

Area: 150 sq. mi (388.5 sq. km)



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High Score: 0.455 • Rank: 3/17

MULTI-HAZARD EXPOSURE (MHE) - Moderate



RESILIENCE (R) - Very Low Score: 0.425 • Rank: 14/17

Score: 0.423 • Rank: 8/17

Score: 0.548 • Rank: 1/17

Score: 0.586 • Rank: 13/17

VULNERABILITY (V) - Very High

COPING CAPACITY (CC) - Low



Population (2010 Census) 1,522



Population in Poverty **49.9%**



Average Annual Foreign Arrivals Per Capita



Households with Piped Water 74.8%



Prevalence of Crowded Housing



*For more information on data and components please visit: https://bit.ly/2LgVoUO

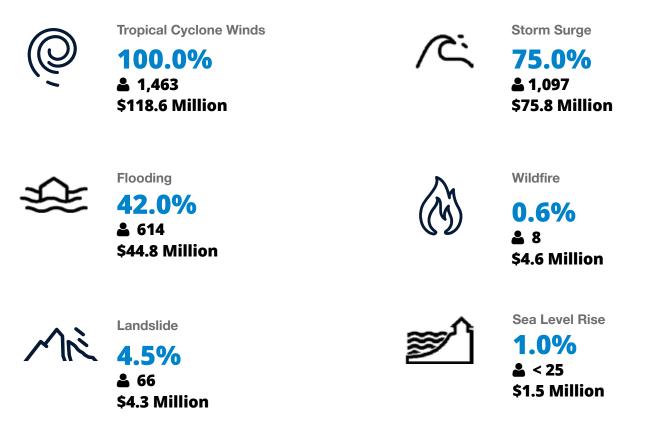


RANK: 8 / 17 ISLANDS SCORE: 0.423



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:

Note: Population values from PDC's All-hazard Impact Model (AIM) leverage 2020 estimates for The Bahamas. Values may exceed 2010 Census population.

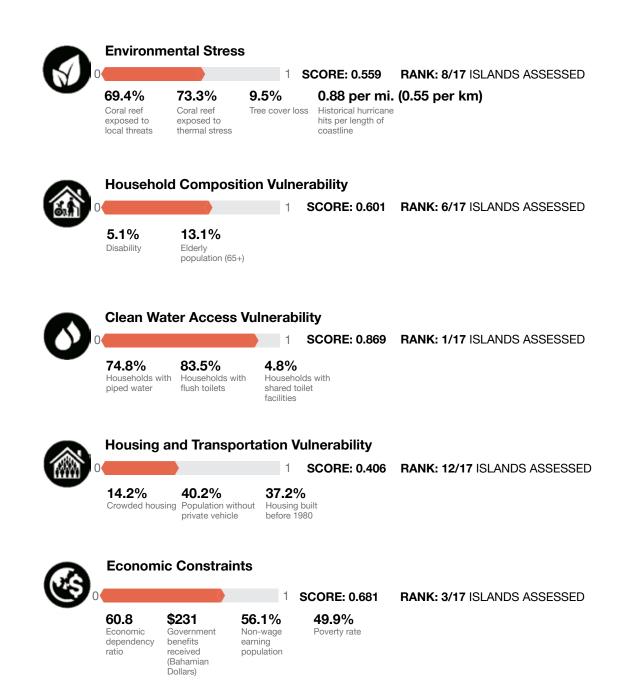




VULNERABILITY (V)

RANK: 1 / 17 ISLANDS ASSESSED SCORE: 0.548

Vulnerability in Cat Island is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





Gender Inequality

0.97 Ratio female to male avg. years of school

8 Adolescent birth rate (per 1,000)

1

SCORE: 0.226

RANK: 15/17 ISLANDS ASSESSED



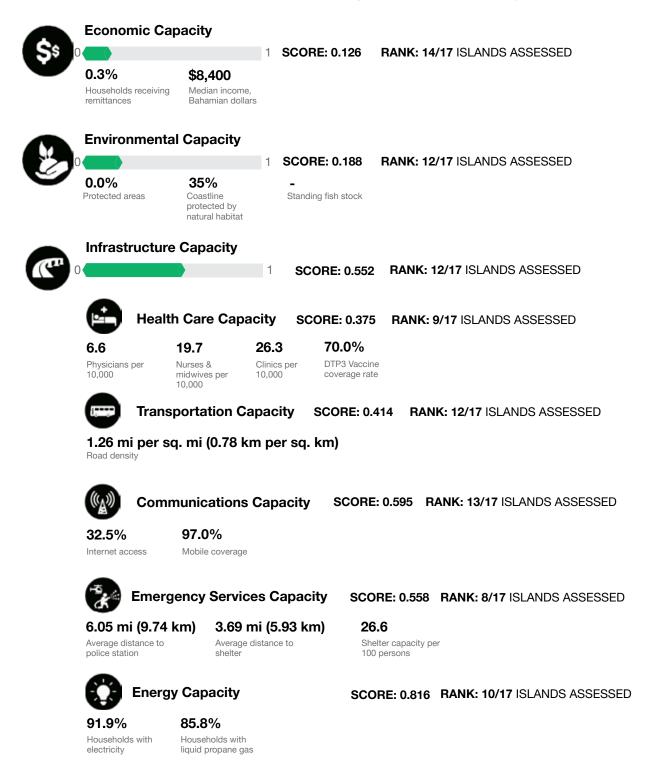
Population Pressures

	0		1 SCORE:	0.499 RANK: 6/17 ISLANDS ASSESSED	
	-7.6%	290.3	2,945.5	1.0	
	Average population change (2000 - 2010)	Average annual foreign arrivals per capita	Average annual foreign arrivals per sq. mile	Migration per 100 persons	



RANK: 15 / 17 ISLANDS ASSESSED SCORE: 0.351

Cat Island exhibits weaker Island Capacity in the areas of Health Care Capacity and Transportation Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Island Capacity score.



X

LOGISTICS CAPACITY (LC)

RANK: 11 / 18 ISLANDS ASSESSED SCORE: 0.816

Logistics Capacity describes the ability of the island to ensure efficient storage, movement, and delivery of resources key for effective humanitarian assistance and disaster relief operations. Logistics Capacity is driven by distances to a major airport, major seaport, and disaster warehouse.





61.2 mi (98.47 km) Distance to port

0 mi (0 km) Distance to airport



113.06 mi (181.92 km) Distance to warehouse

ISLAND PROFILE



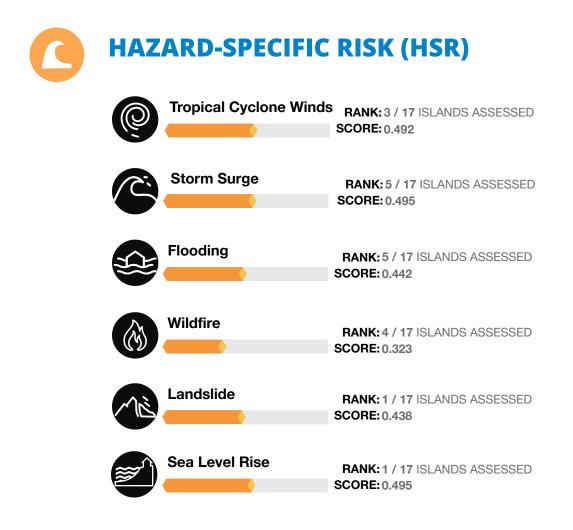
Coping Capacity measures the systems, means, and abilities of people and societies to absorb and respond to disruptions in normal function. Coping Capacity in The Bahamas was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 13 / 17 ISLANDS ASSESSED SCORE: 0.586



Resilience in The Bahamas was calculated by using a combination of Vulnerability, and Coping Capacity (including both Island Capacity and Logistics Capacity).

RANK: 14 / 17 ISLANDS ASSESSED SCORE: 0.425

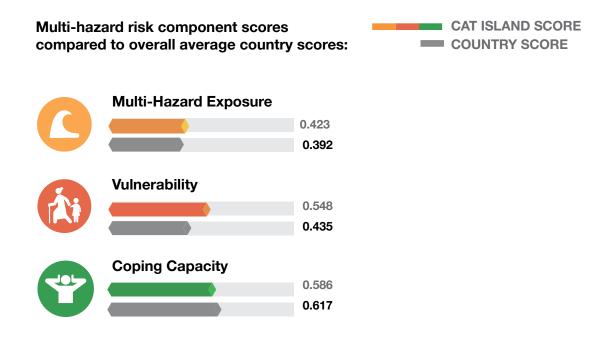




MULTI-HAZARD RISK (MHR)

3 / 17 RANK WITHIN ISLANDS Score: 0.455

Cat Island's score and ranking are due to Moderate Multi-hazard Exposure combined with Very High Vulnerability and Low Coping Capacity scores.





Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation in Cat Island improves health outcomes and frees up resources to decrease further susceptibility to impacts.

RVA findings show that Cat Island has the highest overall Vulnerability in The Bahamas and the highest Clean Water Access Vulnerability in the islands, with approximately 25% of households lacking a public or private piped water source and approximately 18% without access to flush toilets. A lack of access to improved water sources and improved sanitation can lead to contracting enteric diseases from contaminated water supplies, exacerbating existing vulnerabilities. Lack of clean water in specific environments can quickly lead to a mass casualty situation requiring national-level resources and external assistance to ensure a population has clean drinking water necessary for survival.

Invest in the development of water treatment and water distribution systems to ensure populations have access to clean water and adequate sanitation services. Create and implement a plan for all households to have access to a piped water source. In all infrastructure enhancements, implement hazard mitigation strategies that consider hazard-specific risk. Cat Island has the 3rd highest overall Multi-Hazard Risk in the islands, with the highest rankings for landslide and sea level rise risk, 3rd highest hurricane wind risk, 4th highest wildfire risk, and 5th highest risk to both flood and storm surge, relative to other islands in The Bahamas.



Economic Constraints

Economic constraints have individual, household, community, and district-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit Cat Island's ability to facilitate short- and long-term recovery.

Also contributing to Cat Island's very high Vulnerability is it's 3rd highest ranking for overall Economic Constraints in The Bahamas, driven by an economic dependency ratio of just over 60% and poverty rate of 50%. Cat Island has the 3rd highest number of social benefits recipients, and 56% of the population does not earn a wage or have business income. Economic constraints have individual, household, community, and island-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and hinder short- and long-term recovery efforts after a disaster.

Include considerations for economically vulnerable populations in disaster response and recovery plans. Institute programs to help prepare residents for disasters and provide support for short- and long-term recovery efforts in the aftermath of a disaster.

Assess feasibility of government programs to assist in job creation and economic growth through education and short-term assistance designed to promote self-sustaining economic opportunities and decrease long-term reliance on government programs.

3

Health Care Capacity

Robust access to skilled caregivers and the dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster associated health and medical impacts may be addressed.

There are fewer than seven physicians per 10,000 persons in Cat Island, and just 70% of the population has received the DTP3 vaccination. Inadequate Health Care Capacity exacerbates other areas such as economic participation, dependency, and adolescent and elder care.

Develop programs to target the health care needs of the population. As needed, increase facilities and/or providers or implement a program to provide increased services at designated times to address preventative and routine care, decreasing the burden on providers. Implement education programs related to personal and preventative care to lessen the need for acute care services.

Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access island populations. Improved transportation capacity supports all aspects of Cat Island ability to distribute resources before, during, and after a disaster.

Cat Island ranks 6th lowest for overall Transportation Capacity. Denser and more diverse transportation networks provide additional options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access disaster-affected populations. Poor transportation capacity hampers emergency response activities and decreases public access to vital resources such as adequate healthcare and food.

Identify areas underserved by existing transportation routes and identify potential projects to increase access. Evaluate air, ground, and marine transport options, and ensure transportation limitations are considered in disaster response planning. Consideration should be given to evacuation routes, supply routes, and distribution plans that account for minimal transportation options.

Given Cat Island's risk to multiple hazards, ensure that transportation enhancements incorporate risk reduction strategies to minimize the impacts of future hazards.



Better solutions. Fewer disasters.

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